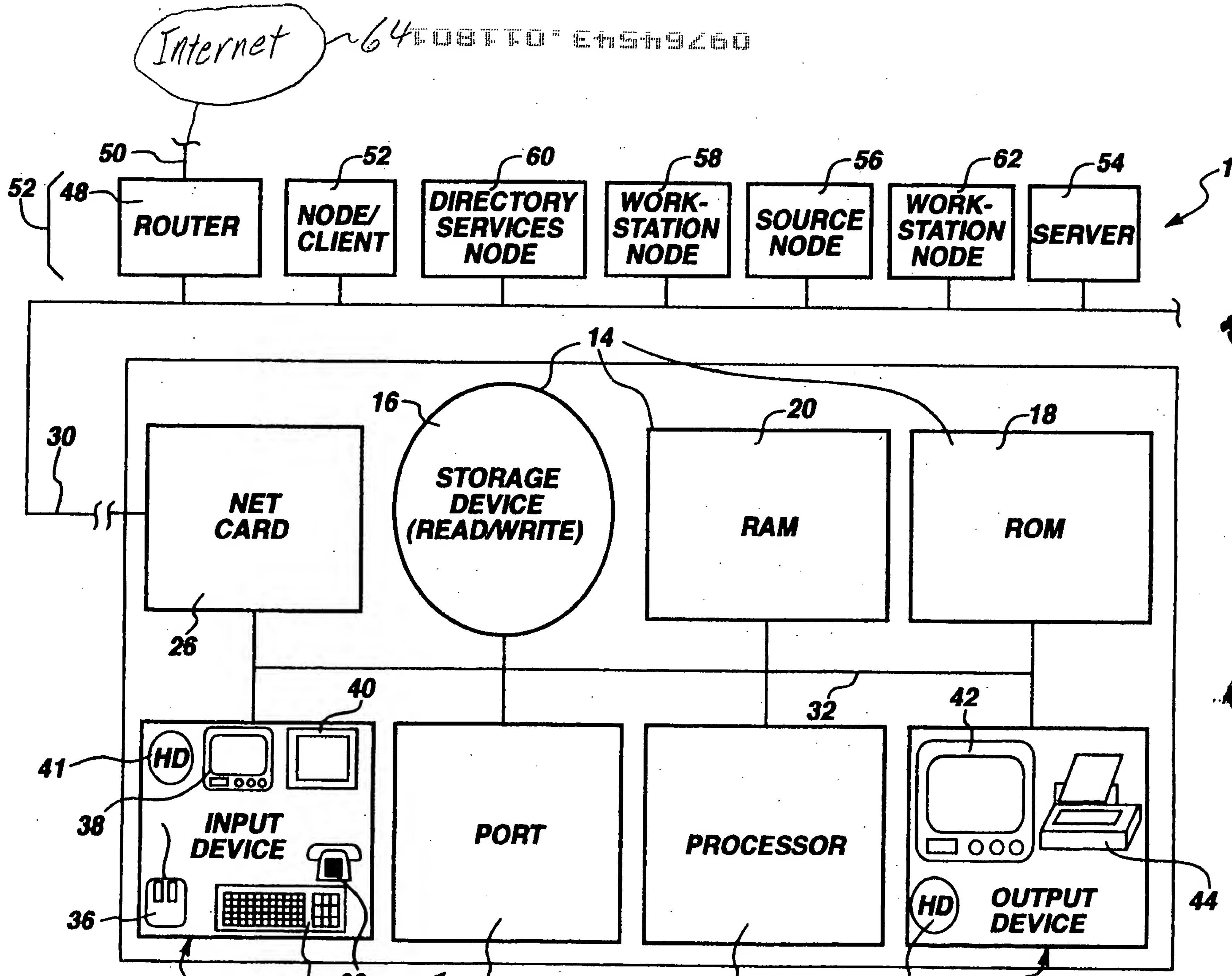
Internet
64
50
52
48
ROUTER
52
NODE/
CLIENT
60
DIRECTORY
SERVICES
NODE
58
WORK-
STATION
NODE
56
SOURCE
NODE
62
WORK-
STATION
NODE
54
SERVER
10
14
16
STORAGE
DEVICE
(READ/WRITE)
20
RAM
18
ROM
30
NET
CARD
26
32
40
42
41
HD
38
INPUT
DEVICE
36
PORT
PROCESSOR
HD
OUTPUT
DEVICE
44
22
34
39
11
28
12
46
24

FIG. 1

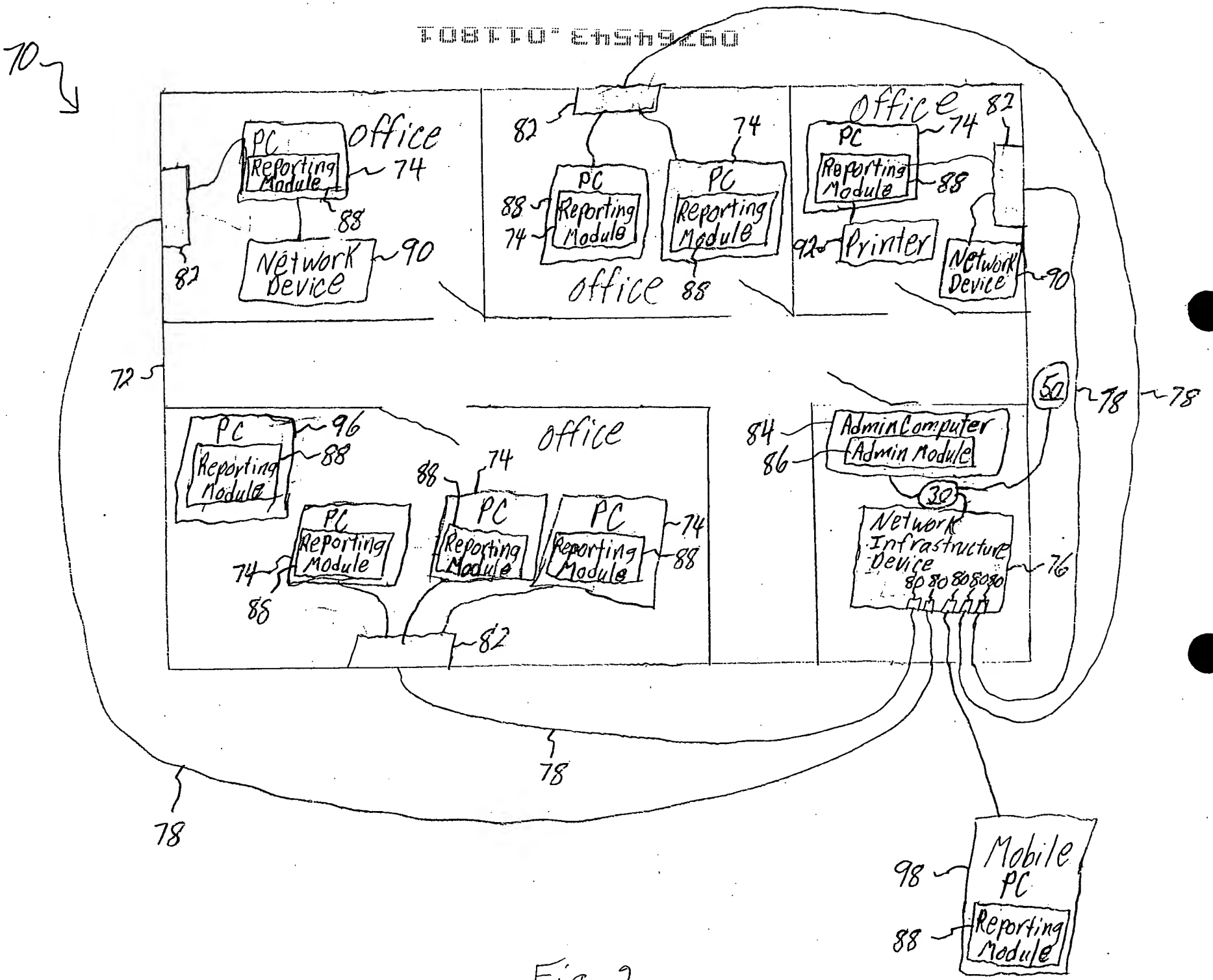
70
Office
PC
Reporting Module
74
88
Network Device
90
82
72
78
Printer
92
Admin Computer
Admin Module
84
86
50
30
Network Infrastructure Device
80
76
96
Mobile PC
98

Fig 2

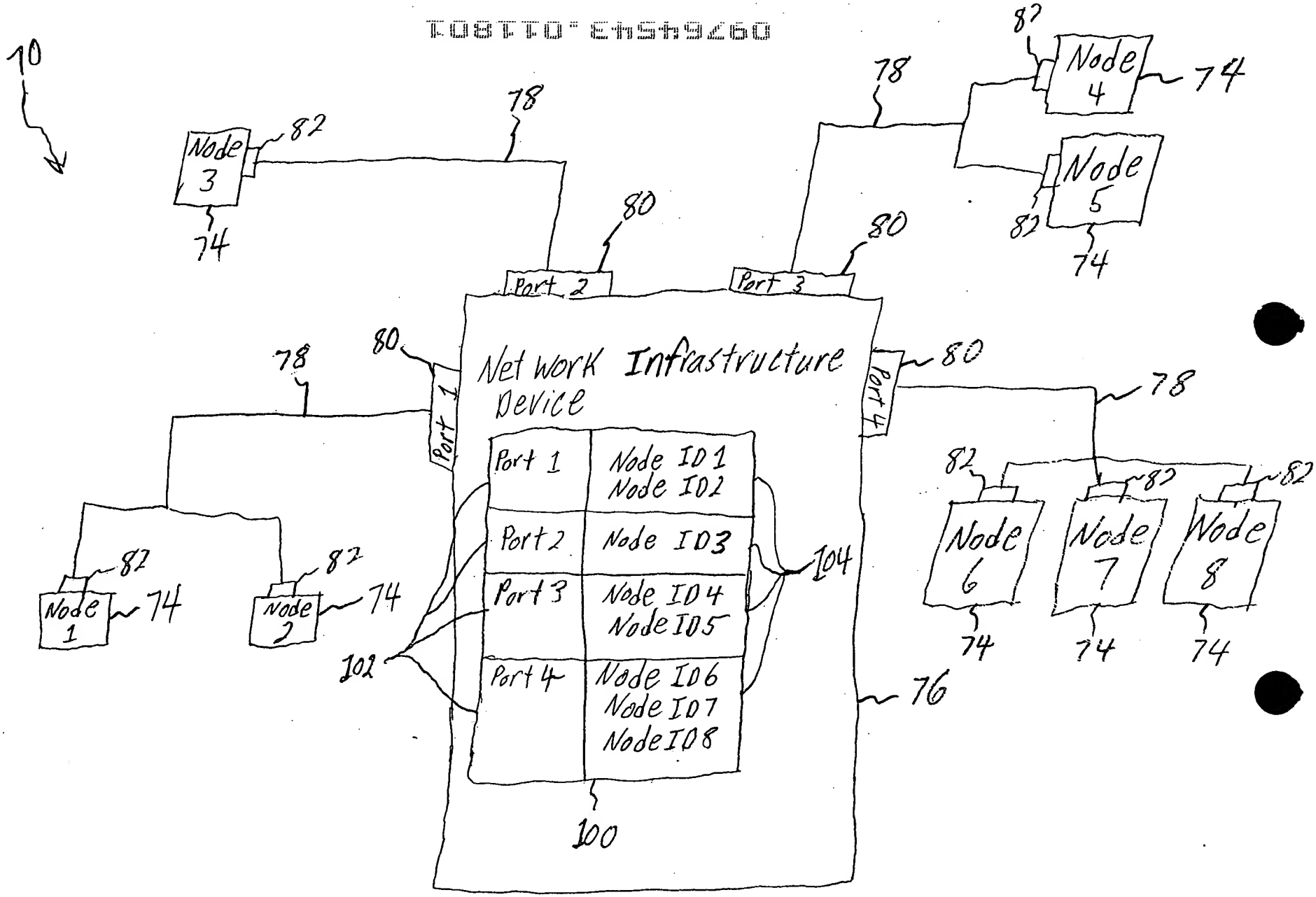
10
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7
Node 8
74
78
80
82
Port 1
Port 2
Port 3
Port 4
Network Infrastructure Device
Port 1
Port 2
Port 3
Port 4
Node ID1
Node ID2
Node ID3
Node ID4
Node ID5
Node ID6
Node ID7
Node ID8
100
102
104
76

Fig. 3

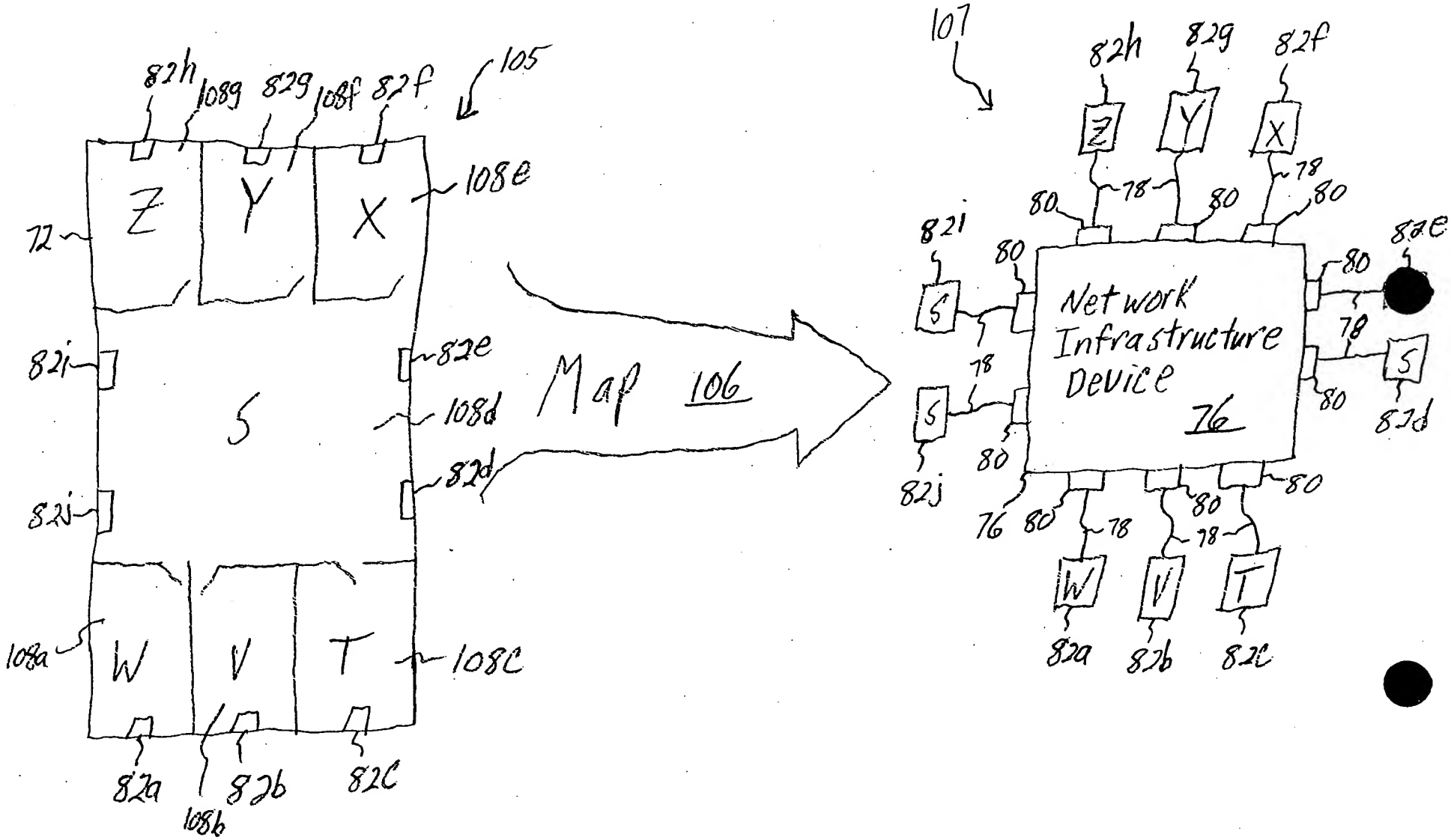
82h
108g
82g
108f
82f
105
108e
72
Z
Y
X
82i
82e
S
108d
Map 106
82d
82i
108a
W
V
T
108c
82a
108b
82b
82c
107
82h
82g
82f
Z
Y
X
78
80
82i
82e
S
Network Infrastructure Device 76
82d
82j
76
82a
82b
82c

Fig. 4

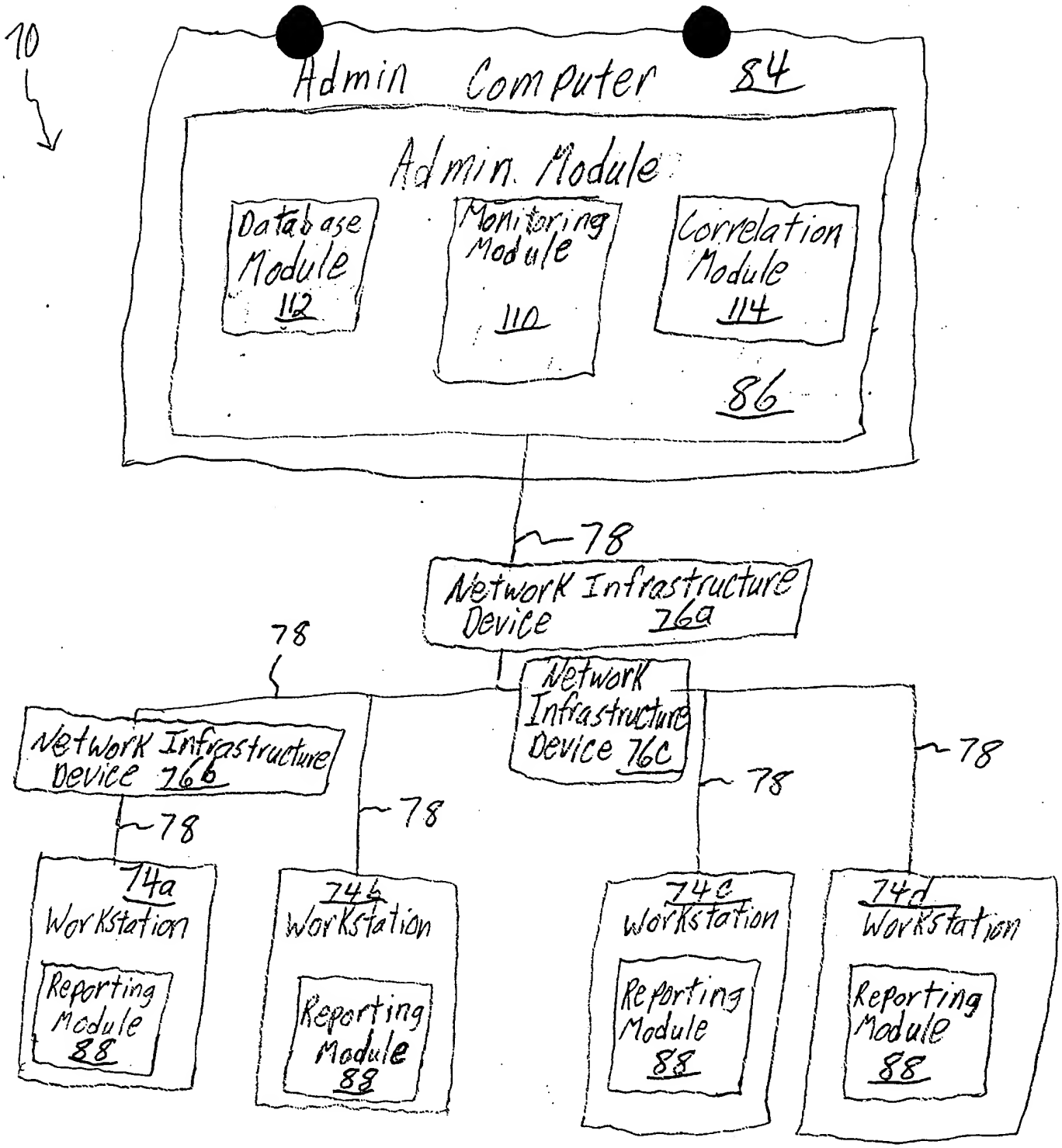
10
Admin Computer 84
Admin Module
Database Module 112
Monitoring Module 110
Correlation Module 114
86
78
Network Infrastructure Device 76a
78
Network Infrastructure Device 76b
Network Infrastructure Device 76c
78
78
78
78
74a Workstation
Reporting Module 88
74b Workstation
Reporting Module 88
74c Workstation
Reporting Module 88
74d Workstation
Reporting Module 88

Fig. 5

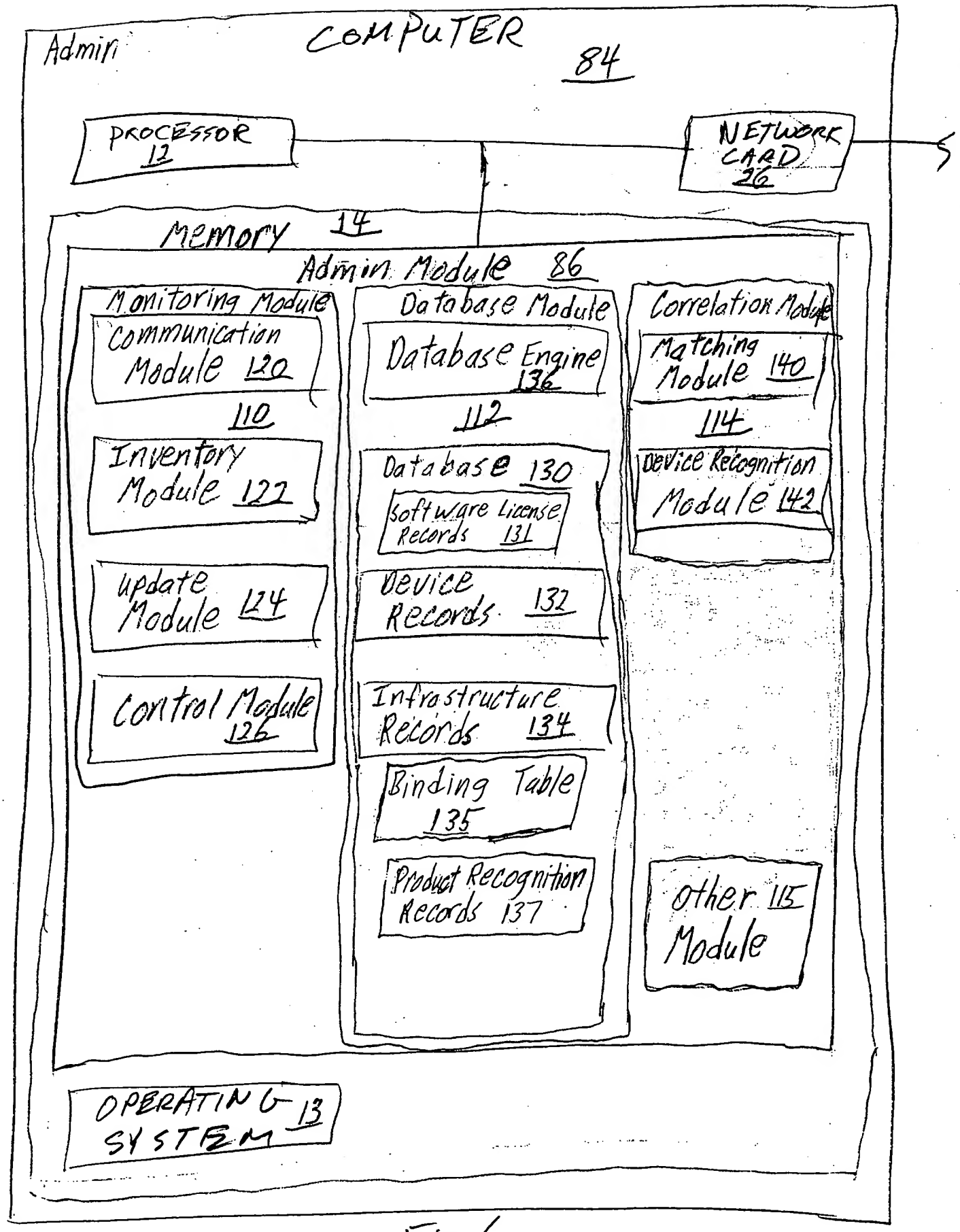
Admin
COMPUTER
84
PROCESSOR
12
NETWORK CARD
26
Memory 14
Admin Module 86
Monitoring Module
Communication Module 120
110
Inventory Module 122
Update Module 124
Control Module 126
Database Module
Database Engine 136
112
Database 130
Software License Records 131
Device Records 132
Infrastructure Records 134
Binding Table 135
Product Recognition Records 137
Correlation Module
Matching Module 140
114
Device Recognition Module 142
Other 115 Module
OPERATING SYSTEM 13

Fig. 6

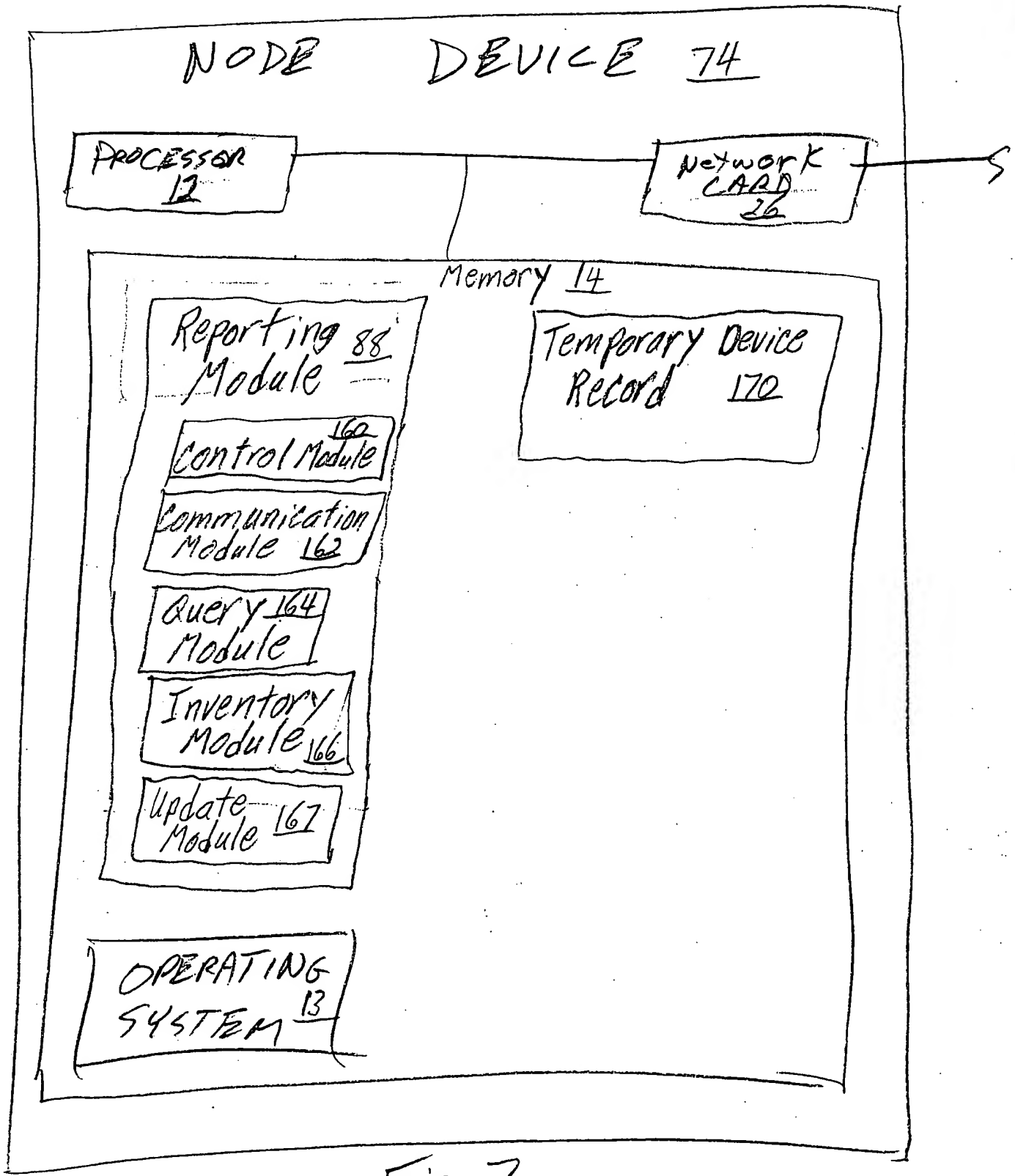
NODE DEVICE 74
PROCESSOR 12
Network CARD 26
S
Memory 14
Reporting Module 88
Control Module 160
Communication Module 162
Query Module 164
Inventory Module 166
Update Module 167
Temporary Device Record 170
OPERATING SYSTEM 13

Fig. 7

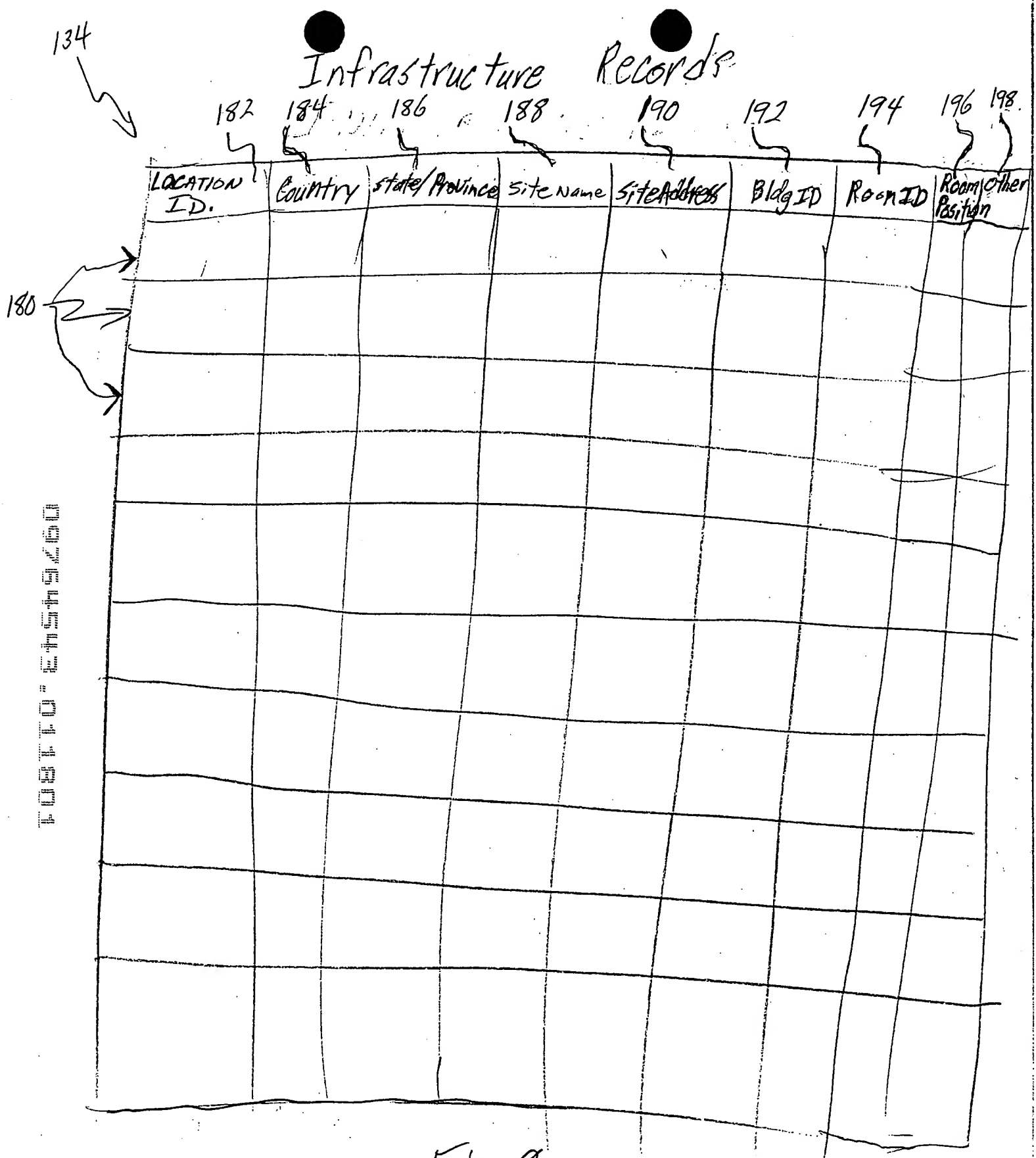
134
Infrastructure Records
182
184
186
188
190
192
194
196
198
LOCATION ID.
Country
State/Province
Site Name
Site Address
Bldg ID
Room ID
Room/Other Position
180

Fig. 8

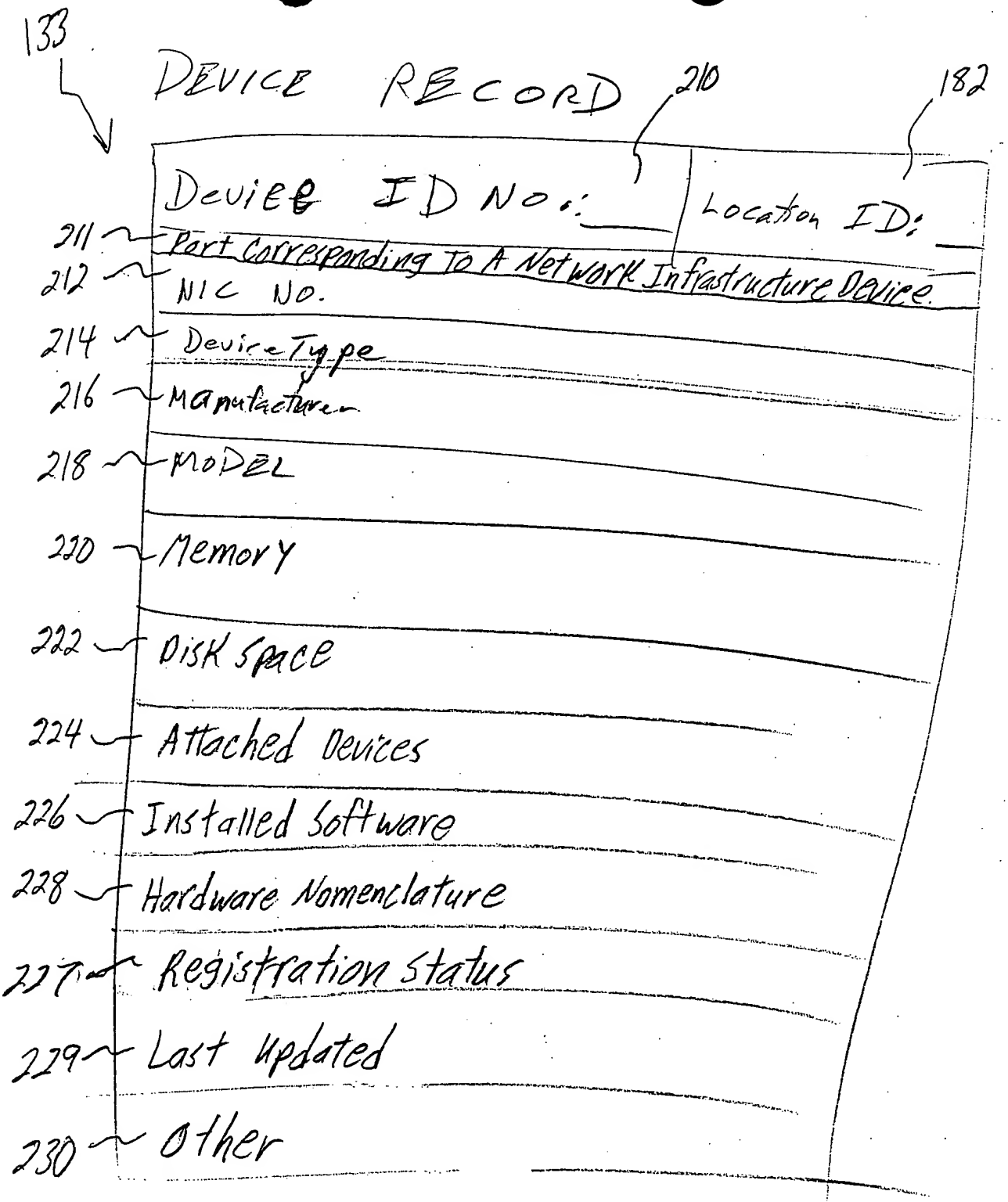
133
DEVICE RECORD
210
182
Device ID No.:
Location ID:
211 Part Corresponding To A Network Infrastructure Device
212 NIC No.
214 Device Type
216 Manufacturer
218 MODEL
220 Memory
222 Disk Space
224 Attached Devices
226 Installed Software
228 Hardware Nomenclature
227 Registration Status
229 Last Updated
230 Other

Fig. 9

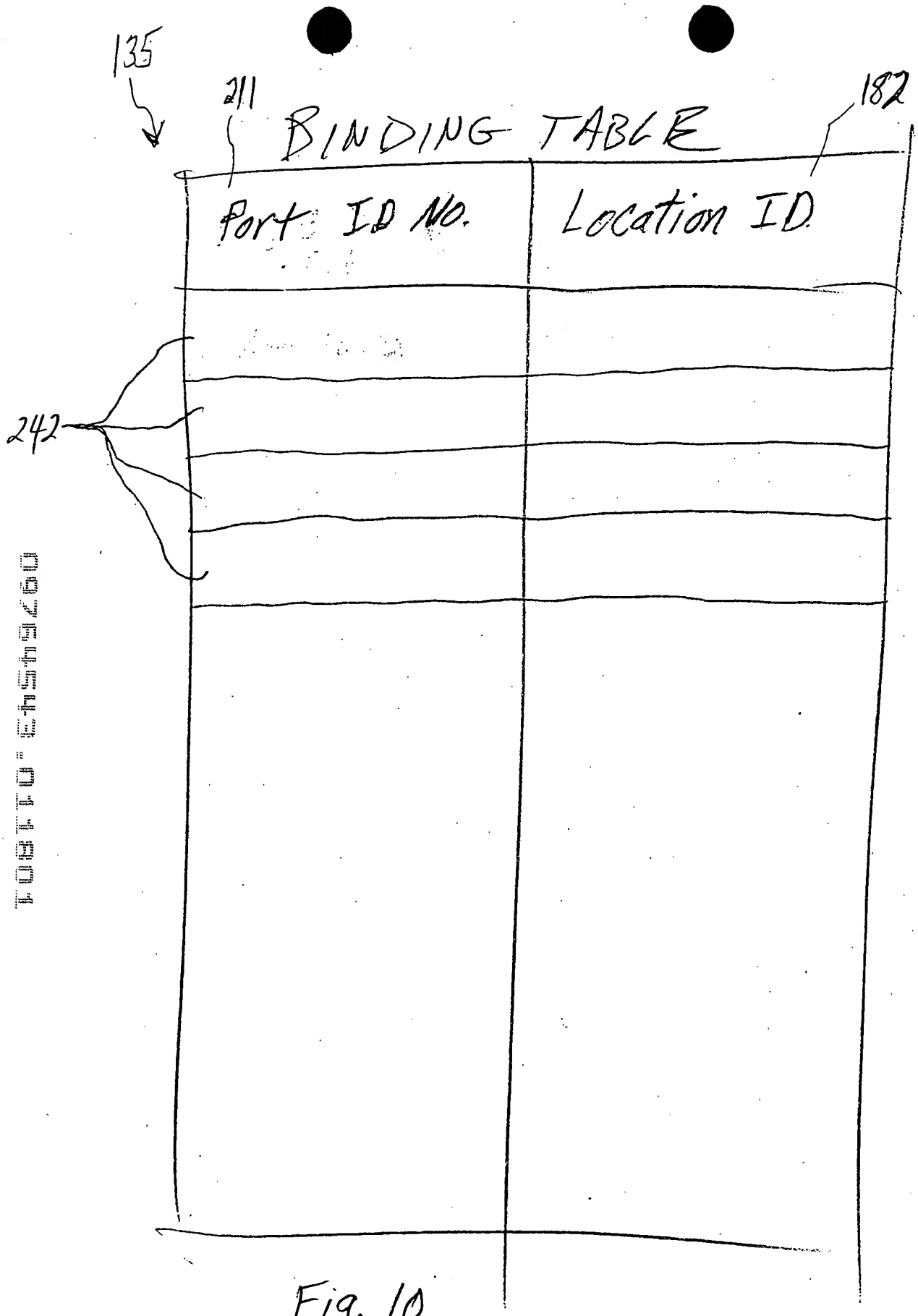

Fig. 10

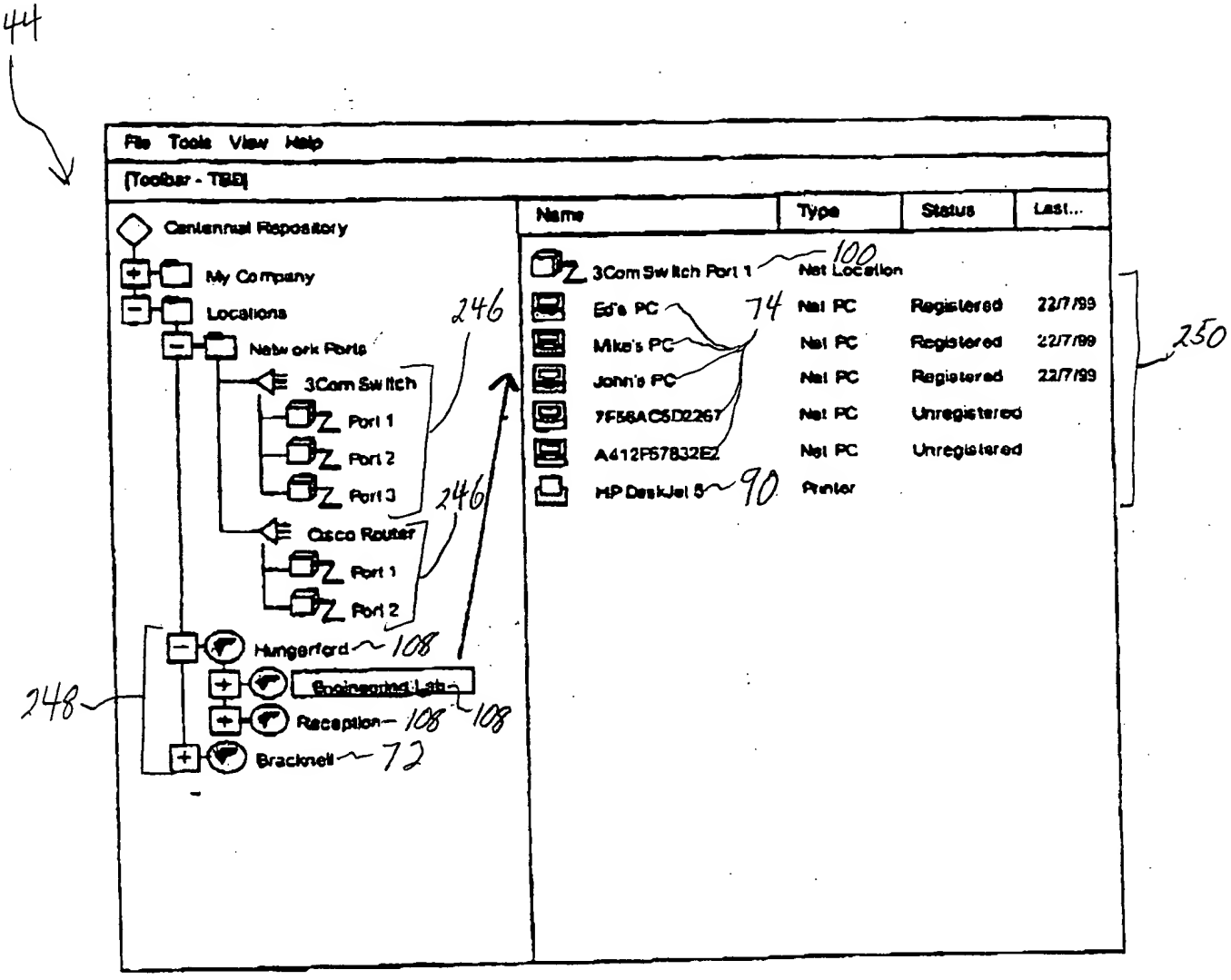
244
File Tools View Help
[Toolbar - TBD]
Centennial Repository
My Company
Locations
Network Ports
3Com Switch
Port 1
Port 2
Port 3
Cisco Router
Port 1
Port 2
Hungerford
Engineering Lab
Reception
Bracknell
246
246
248
108
108
72
Name
Type
Status
Last...
3Com Switch Port 1
Net Location
100
Ed's PC
Mike's PC
John's PC
7F56AC5D2267
A412F57832E2
74
Net PC
Registered
22/7/99
Unregistered
HP DeskJet 5
90
Printer
250

Fig 11

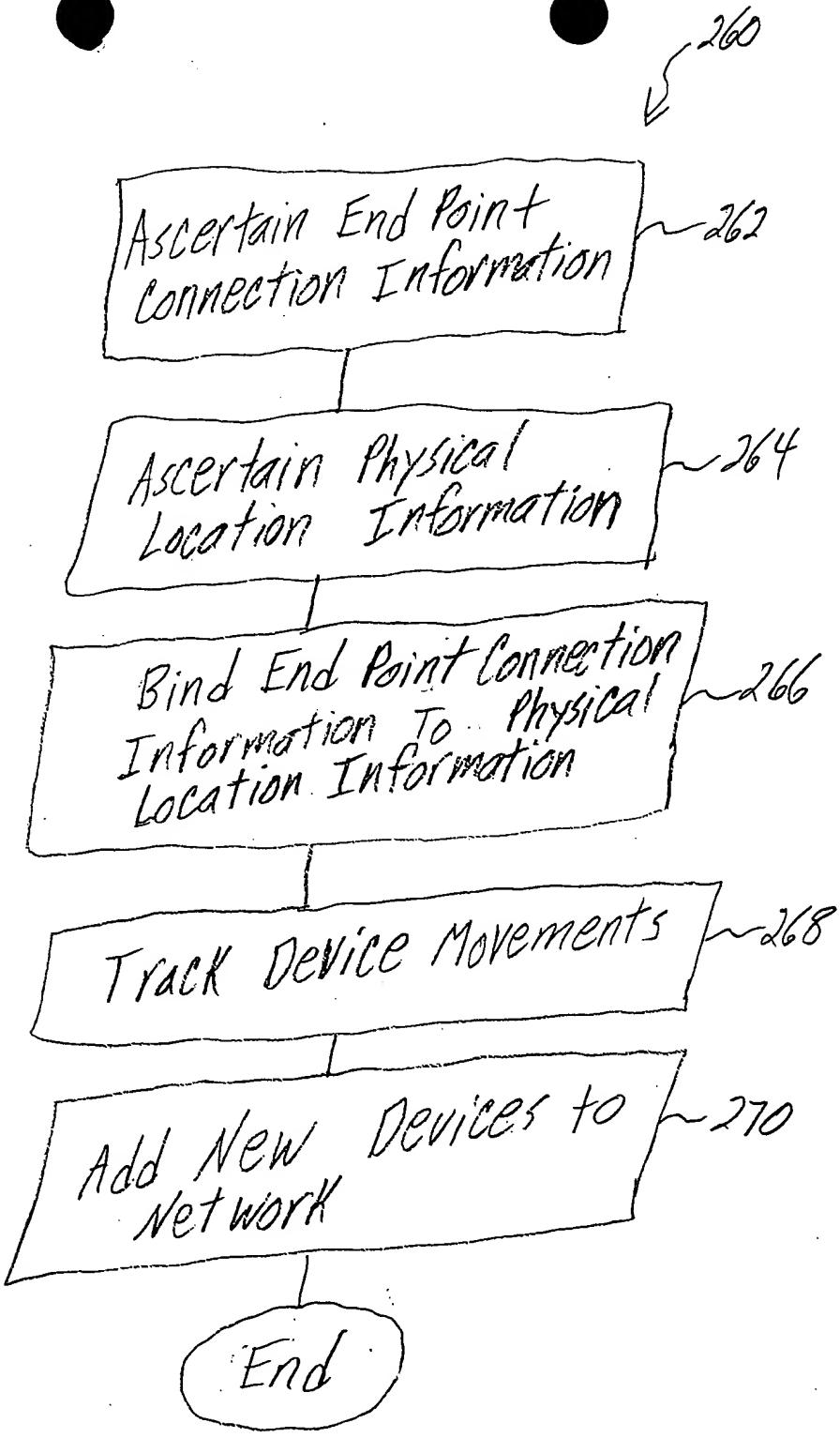
260
Ascertain End Point Connection Information
262
Ascertain Physical Location Information
264
Bind End Point Connection Information To Physical Location Information
266
Track Device Movements
268
Add New Devices to Network
270
End

Fig. 12

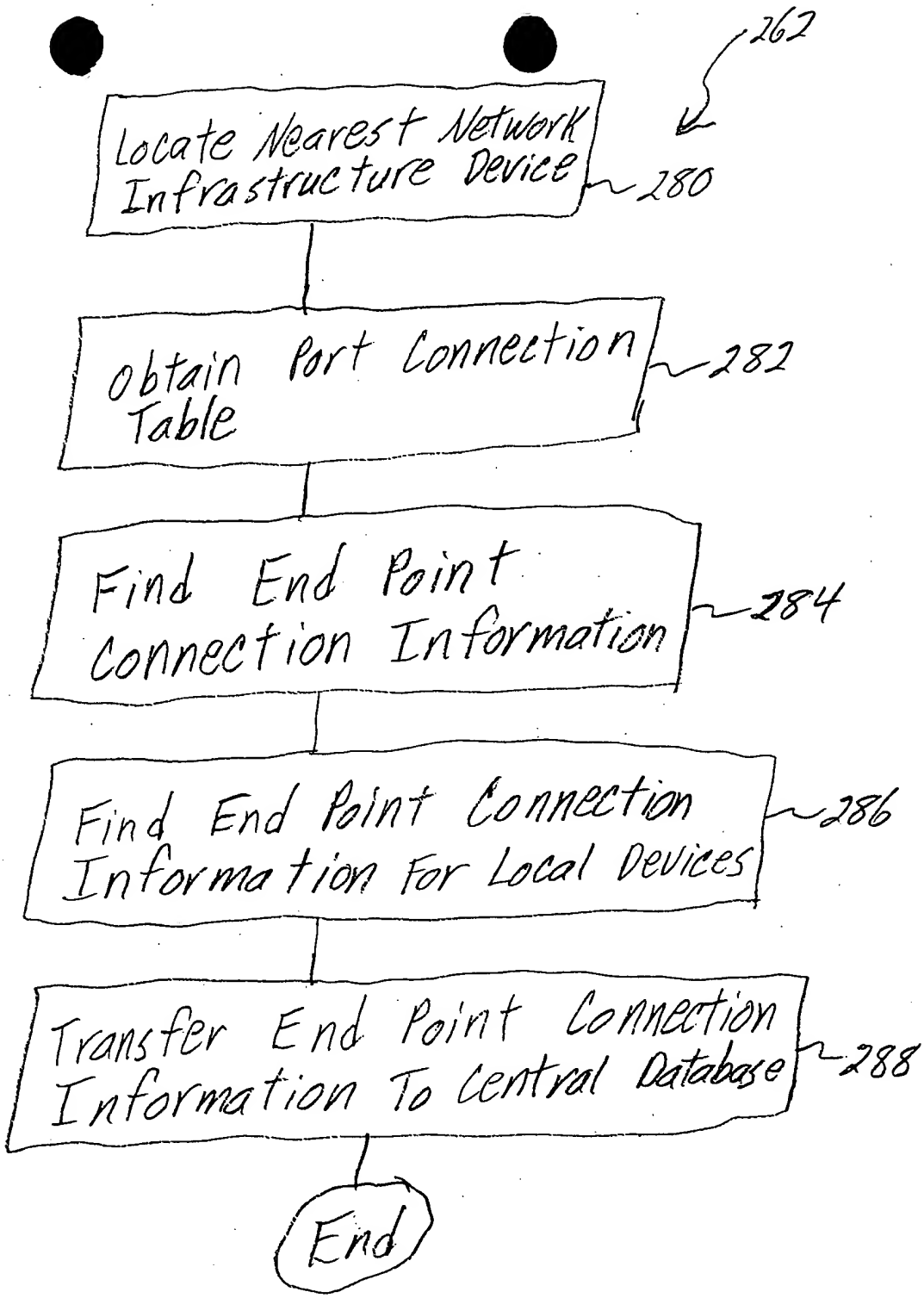
262
Locate Nearest Network Infrastructure Device
280
Obtain Port Connection Table
282
Find End Point Connection Information
284
Find End Point Connection Information For Local Devices
286
Transfer End Point Connection Information To Central Database
288
End

Fig. 13

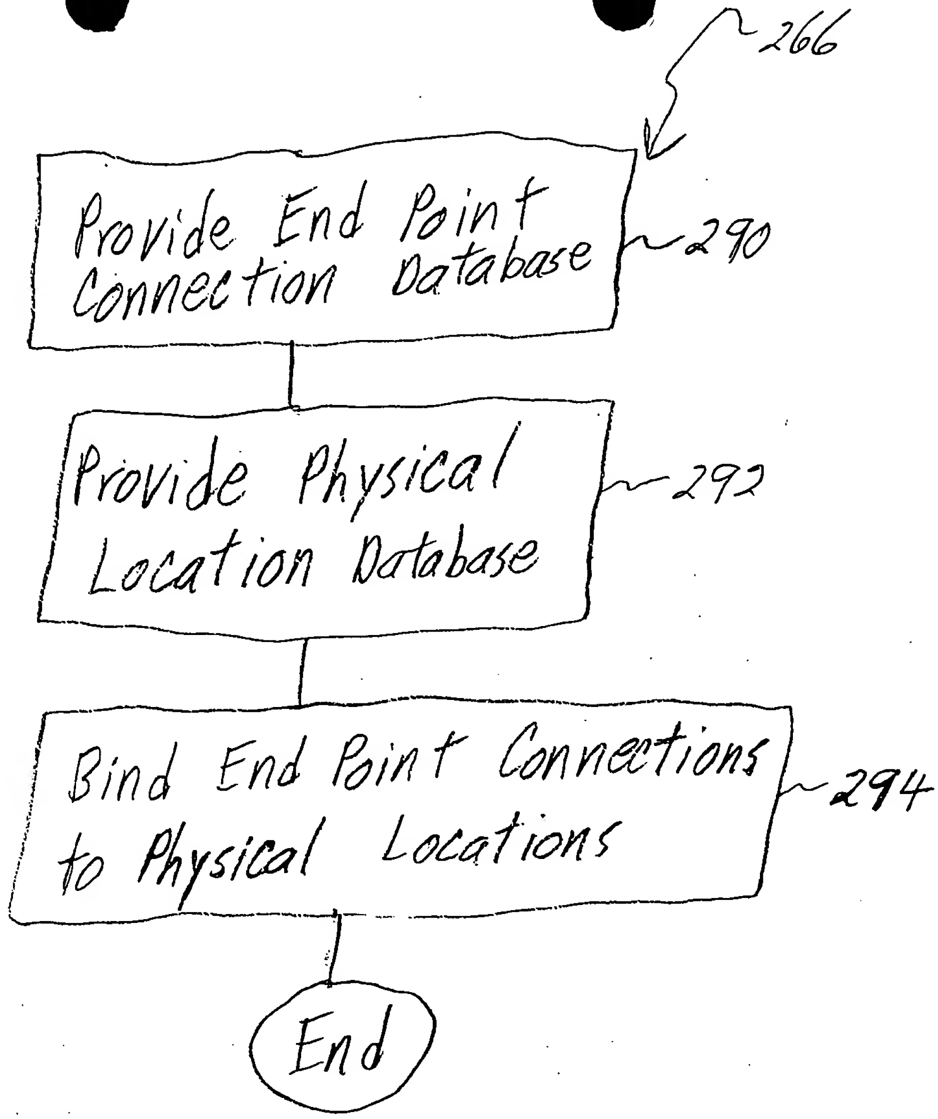
266
Provide End Point Connection Database
290
Provide Physical Location Database
292
Bind End Point Connections to Physical Locations
294
End

Fig. 14

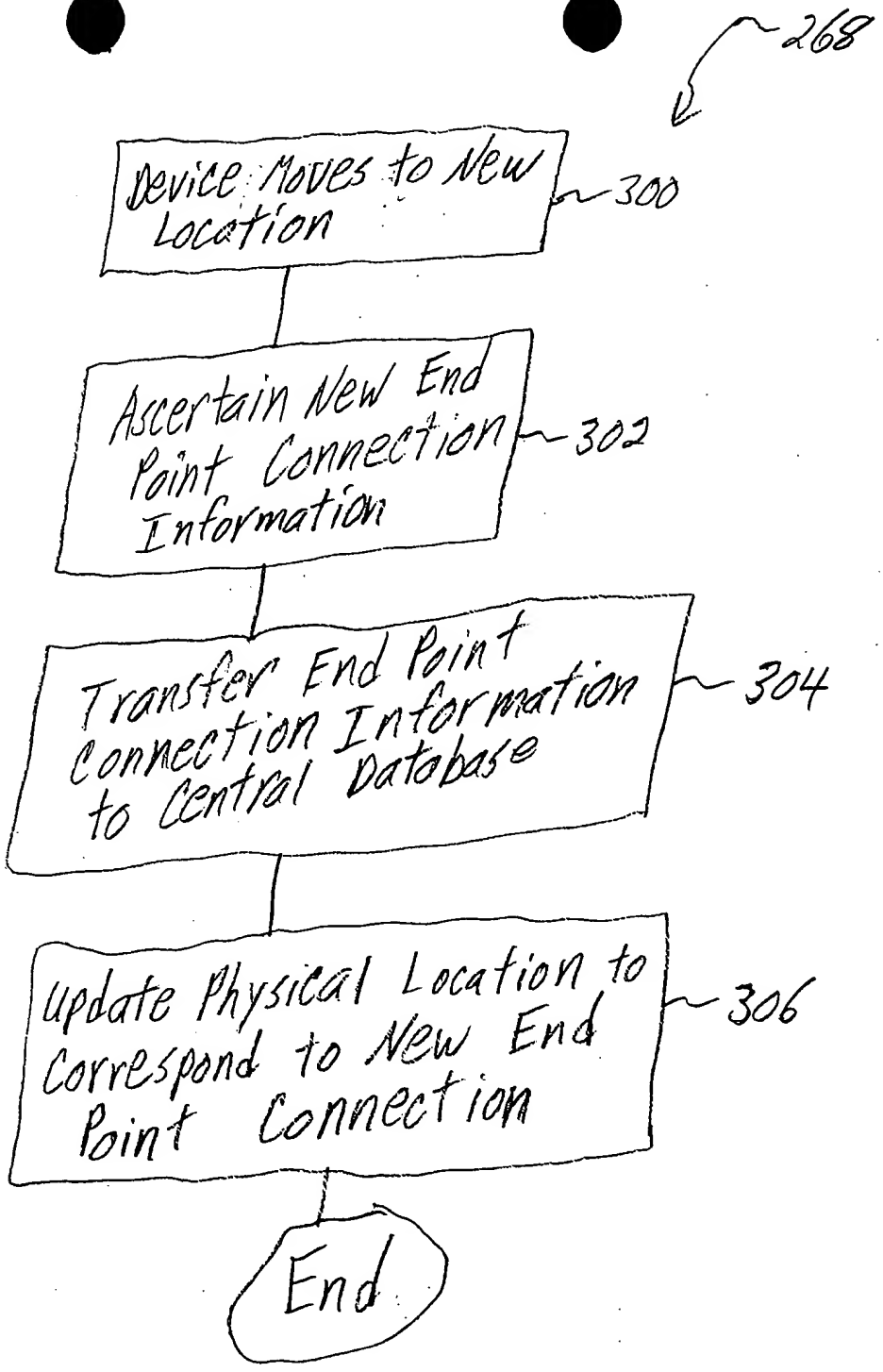
268
Device Moves to New Location
300
Ascertain New End Point Connection Information
302
Transfer End Point Connection Information to Central Database
304
Update Physical Location to Correspond to New End Point Connection
306
End

Fig. 15